

# Nylene® 6110 HS

Polyamide 66  
Custom Resins Group

Message:

Nylene® 6110 HS is a Polyamide 66 (Nylon 66) material filled with 10% mineral. It is available in North America for extrusion or injection molding. Important attributes of Nylene® 6110 HS are:

- Heat Resistant
- Good Dimensional Stability
- Good Stiffness
- Heat Stabilizer
- High Strength

General Information	
Filler / Reinforcement	Mineral,10% Filler by Weight
Additive	Heat Stabilizer
Features	Good Dimensional Stability
	Good Stiffness
	Good Thermal Stability
	Heat Stabilized
	High Heat Resistance
	High Strength
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	72.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus (23°C)	3310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Melting Temperature	254	°C	
Injection	Nominal Value	Unit	
Drying Temperature	65.6 to 82.2	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Suggested Max Moisture	0.20	%	

Suggested Shot Size	25 to 75	%
Suggested Max Regrind	25	%
Rear Temperature	260 to 293	°C
Middle Temperature	277 to 299	°C
Front Temperature	282 to 310	°C
Nozzle Temperature	279 to 307	°C
Processing (Melt) Temp	288 to 316	°C
Mold Temperature	82.2 to 93.3	°C
Injection Pressure	34.5 to 103	MPa
Injection Rate	Fast	
Holding Pressure	27.6 to 82.7	MPa
Back Pressure	0.00 to 0.345	MPa

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

